

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 17128  
Application ID: 10064770  
Title of Invention: DUAL MATCH-LINE, TWIN-CELL,  
BINARY-TERNARY CAM  
First Named Inventor: Paul CHENG  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-08-15  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 60409.300301  
Digital Certificate Holder: cn=Raymond E. Roberts, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: dcwb4/iT4jnNVgcqI/cBUA==  
Total Fees Authorized: \$674.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 83240  
Deposit Account Name: Raymond E. Roberts





# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility  
Patent Filing

Attorney Docket  
Number:

60409.300301

## DUAL MATCH-LINE, TWIN-CELL, BINARY-TERNARY CAM

First Named Inventor: Mr. Paul CHENG

### SUBMITTED BY

Name:	Mr. Raymond E. Roberts
Registration Number:	38,597
Electronic Signature Mark:	Date Signed: 20020815
RER300301	

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration  
bibd-transmittal  
fee-transmittal  
patent-assignments

Dec-ADS.tif  
ePaveapds.xml  
ePavefee.xml  
ePaveasgn.xml

10064770 . 031520

us-information-disclosure-statement  
specification

ePaveids.xml  
300301.xml

Attached Image File(s):  
Dec-ADS.tif

Comments:

8049230711

PTO/SB/01A (1

Approved for use through 10/31/2002 OMB 0651

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# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

<b>Title of Invention</b>	Dual Match-Line, Twin-Cell, Binary-Ternary CAM
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As the below named inventor(s), I/we declare that:

This declaration is directed to:

☒ The attached application, or

☐ Application No. \_\_\_\_\_, filed on \_\_\_\_\_,

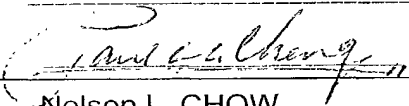
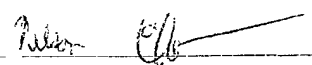
☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

<b>FULL NAME OF INVENTOR(S)</b>	
Inventor one:	Paul CHENG
Signature:	 Citizen of: US
Inventor two:	Nelson L. CHOW
Signature:	 Citizen of: US
Inventor three:	
Signature:	Citizen of:
Inventor four:	
Signature:	Citizen of:

☐ Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto

**Burden Hour Statement:** This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the U.S. Patent and Trademark Office to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time varies depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231.

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Small Entity

Small Business Concern

**TOTAL FEES AUTHORIZED: \$ 674**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 08-3240



Deposit Account Name: Intellectual Property Law Offices

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Raymond E. Roberts

Electronic Signature Mark: RER300301

Date Signed: 20020815

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	201	\$ 370

Subtotal For Basic Filing Fee: \$ 370

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 26	203	\$ 9	6	\$ 54
Independent Claims: 8	202	\$ 42	5	\$ 210

Subtotal For Extra Claims Fees: \$ 264

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40